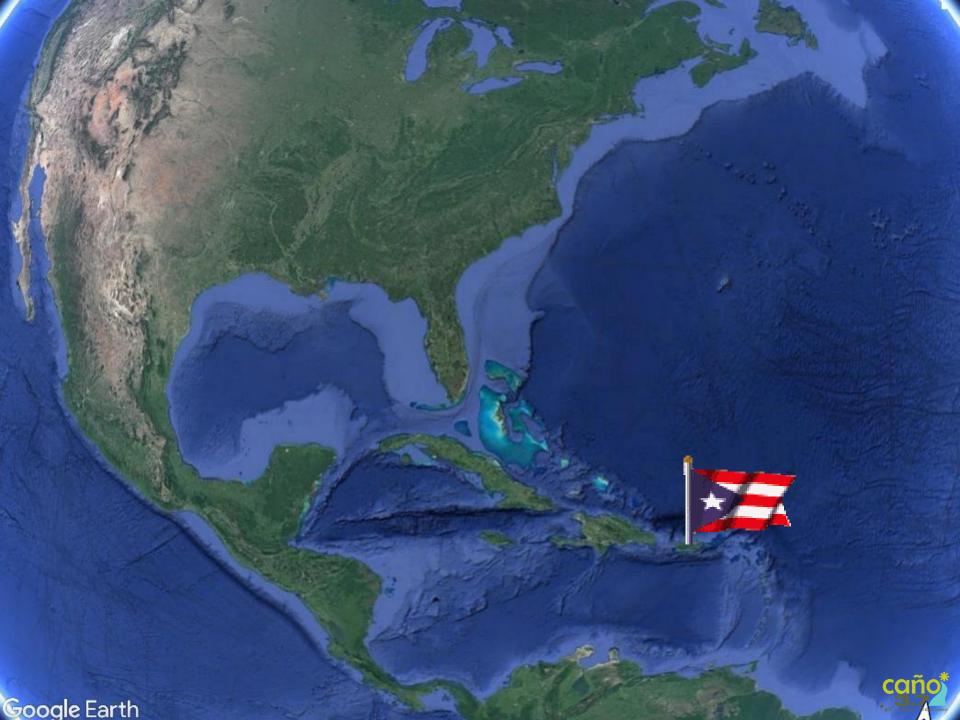




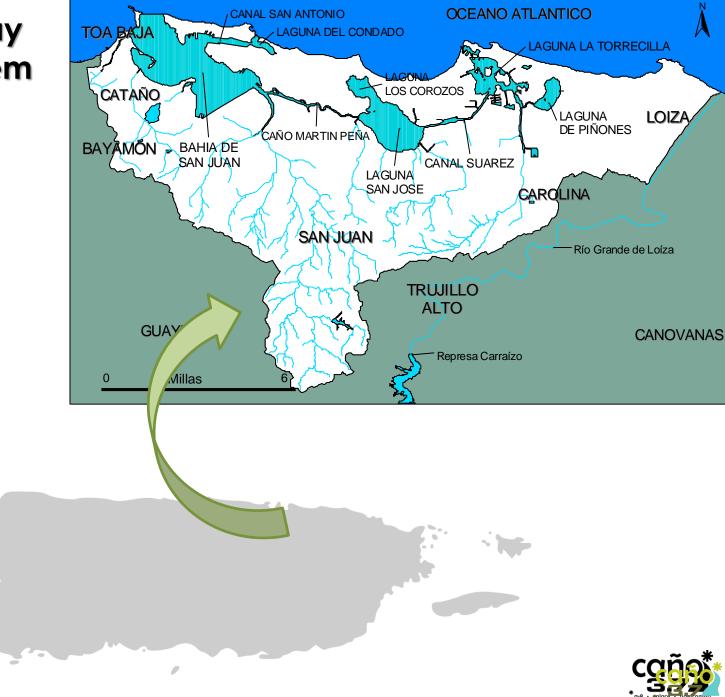
Proyecto ENLACE del Caño Martin Peña

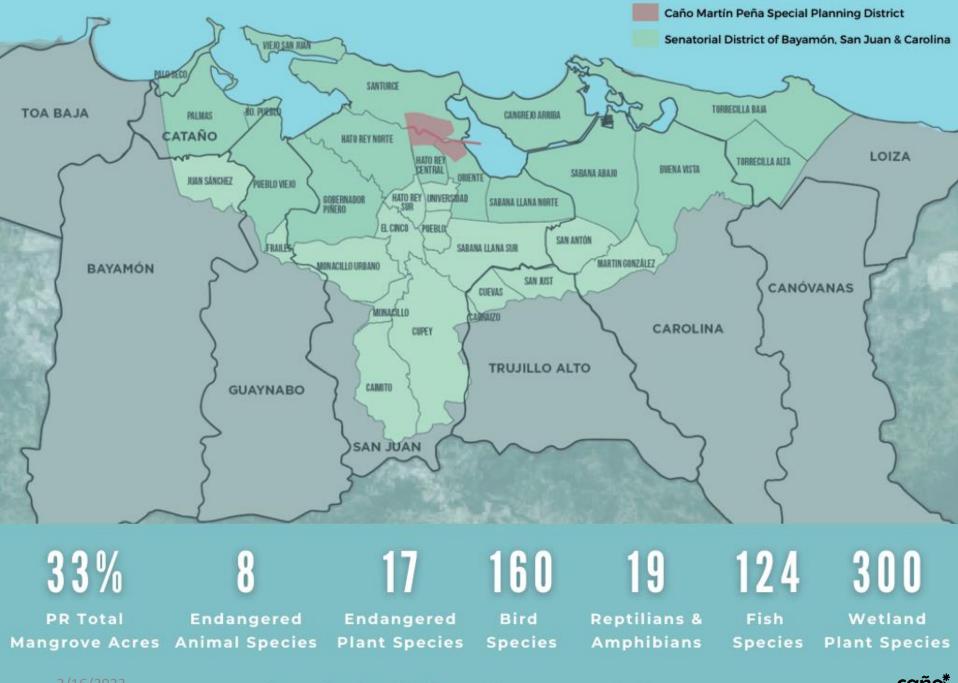


2/16/2023



San Juan Bay Estuary System

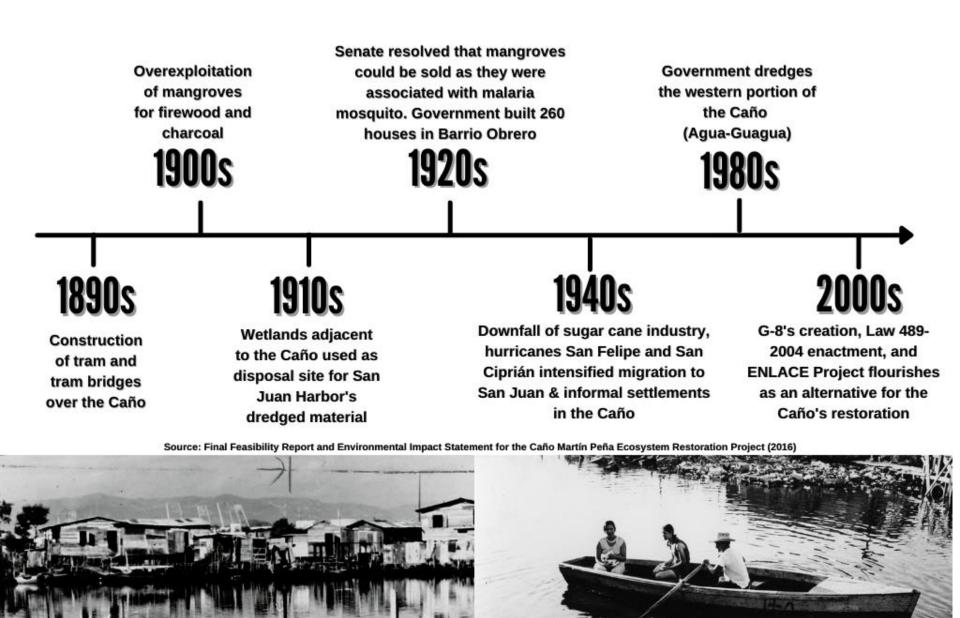




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Source: San Juan Bay Estuary Program, www.estuario.org

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CAÑO MARTÍN PEÑA ENLACE PROJECT

Corporación del Proyecto ENLACE del Caño Martín Peña



Coordination & Implementation of the Comprehensive Development Plan, Non-Federal Sponsor for the CMP-ERP, Public Corporation Grupo de las Ocho Comunidades Aledañas al Caño Martín Peña, Inc.



Active Community Participation, Empowerment & Community Involvement, Nonprofit Organization

Fideicomiso de la Tierra del Caño Martín Peña



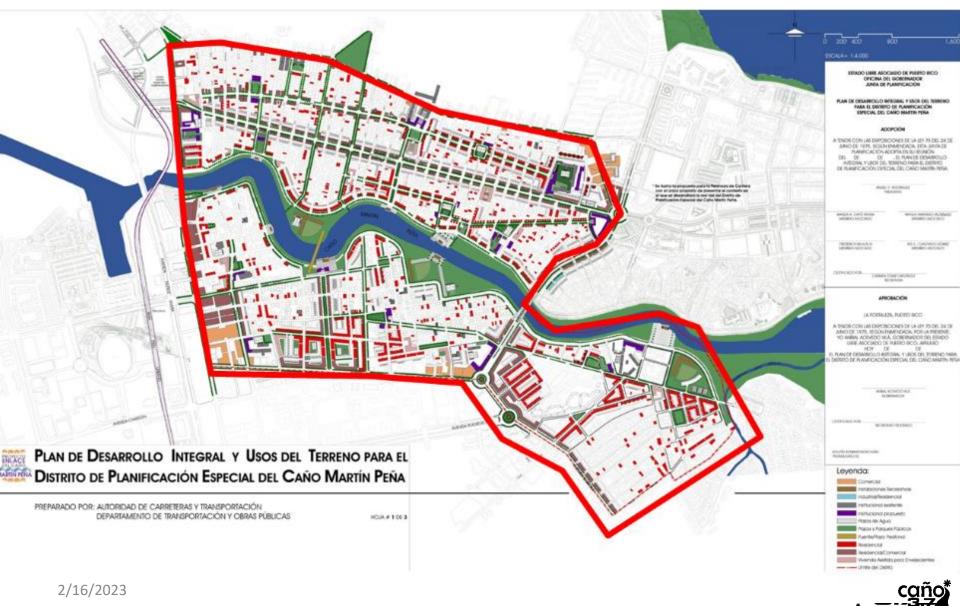
Novel Model to Promote Development while Preventing Community Displacement, 2015-16 UN World Habitat Award Nonprofit Organization

CITIZEN PARTICIPATION • ADVISORY BOARD • ALLIEZ & COLLABORATORS • GOVERNMENT

COMPREHENSIVE DEVELOPMENT & LAND USES PLAN FOR THE CAÑO MARTÍN PEÑA SPECIAL PLANNING DISTRICT – PUERTO RICO ACT 489 OF 2004, AS AMENDED



COMPREHENSIVE DEVELOPMENT AND LAND USE PLAN FOR THE CAÑO MARTIN PEÑA SPECIAL PLANNING DISTRICT



4/20/2022



10,997 residents in Martín Peñ

residents in the communities surrounding the Caño Martín Peña (2020 US Census)



immigrant/foreign born population (ACS, 2015)

60.7%

of the Caño population reported at an annual income below the USA poverty level (ACS, 2015)



median household income (ACS, 2015)

47.4%

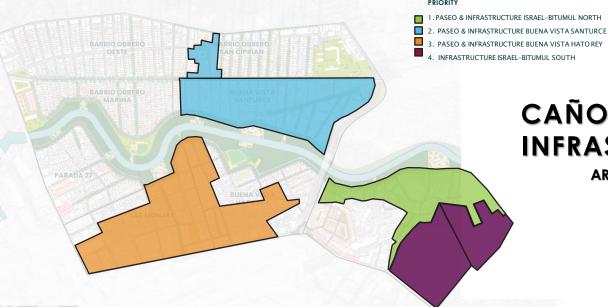
of the population age 25 or older lacks a high school diploma (ACS, 2015)







4/20/2022



CAÑO MARTÍN PEÑA WATER **INFRASTRUCTURE PROJECTS**

AREAS WITHOUT SANITARY SYSTEM & PRIORITIES







Community Flooding 2012

PRIORITY

PUBLIC HEALTH IMPACTS

Surveyed Condition	Martín Peña	Puerto Rico
Gastrointestinal disease*	31%	20%
Asthma (children under 5)**	44%	25%
Skin allergies (children 5-9 years old)**	35.3%	24.8%

*Gastrointestinal symptoms were positively and strongly correlated with exposure to flood waters. (Source: 2012 Ponce School of Medicine)

 ** Children data is from a small non-statistically significant, but comparable to the Census 2010 distribution data.
(Source: 2012, University of Puerto Rico School of Public Health)

Delays in the implementation of the Comprehensive Development Plan have worsened health conditions.

\$21 million

estimated annual savings in medical care for asthma, dengue and gastrointestinal diseases (CDBG-NDRC proposal).

2/16/2023 Health Impact Assessment (2014), Icahn School of Medicine at Mount Sinai and ENLACE

ECOLOGICAL INTEGRITY IMPACTS

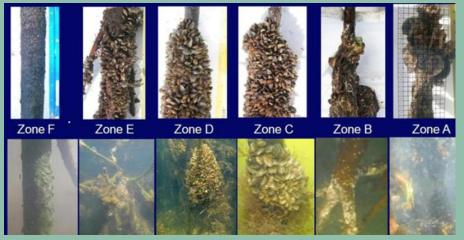


Figure 6. Mangrove prop root habitat fouling community in various portions of the San Juan Bay Estuary. Zone A = northern La Torrecilla lagoon close to the inlet, Zone B = southern La Torrecilla lagoon, Zone C = Suárez Canal, Zone D = eastern San José Lagoon, Zone E – western San José Lagoon, and Zone F = Caño Martín Peña (Atkins 2011b).



Reduction in species diversity and survivability, ecosystem functions and values. Strong salinity stratification.



Ecological degradation has affected human health and safety. Lack of conveyance contributes to localized flooding.



Reduced ecosystem functions and values, including losses of economic and recreational opportunities.

Final Feasibility Report and Environmental Impact Statement (2016), ENLACE and USACE







Restorezhe benthic habitat in 4/20/2022 the San José Lagoon.



Increase biodiversity of **Galico** in the mangrove forests.

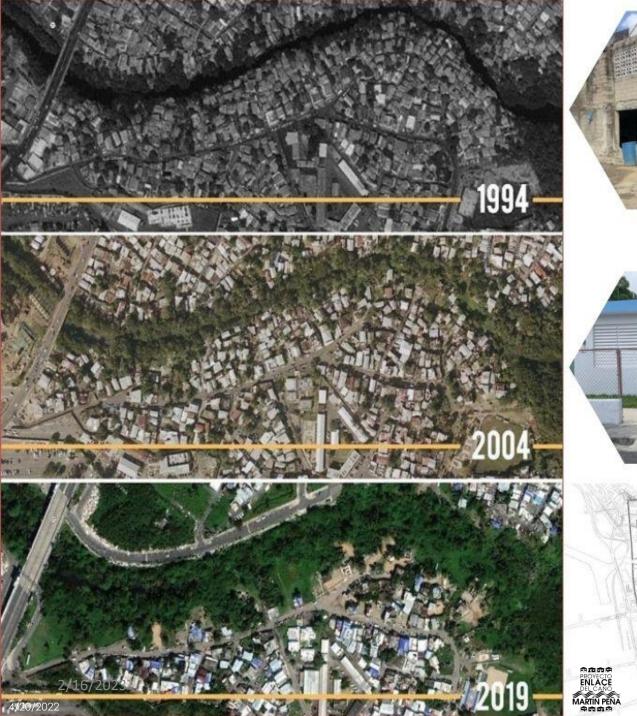
Improve the fish habitat in the SJBE system.



16/2023 FR/EIS Community Assemblies

4/20/2022

Design Agreement Execution





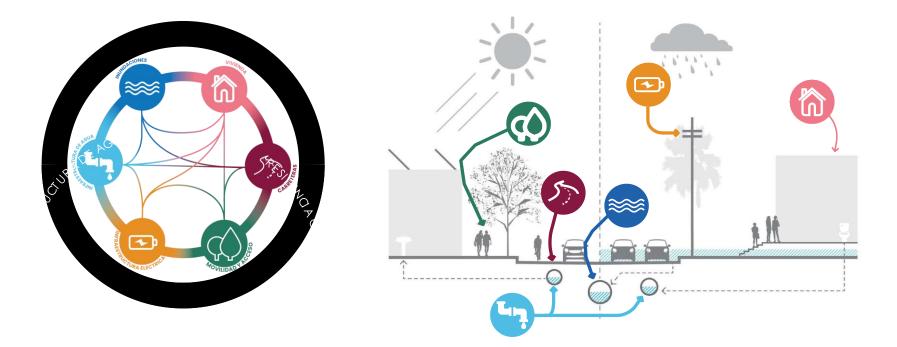
Caño Martín Peña Relocation Committee Unique Asset that Makes the Difference!

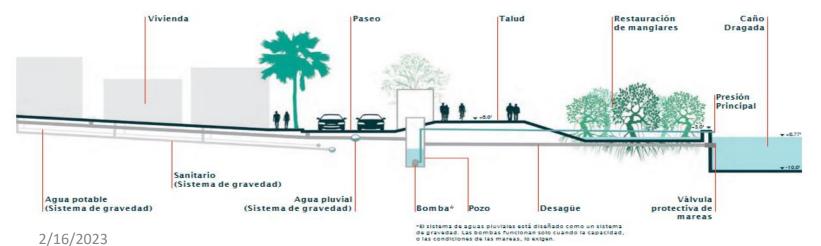






COMPREHENSIVE WATER INFRASTRUCTURE MITIGATION IN SITU





4/20/2022



Each family has individual rights over the parcel area where their home is located, and get stocks and bonds of participation.

> Each family is the owner of their home.

The rights to the surface can be: • Sold

- Inherited
- Mortgaged



The community collectively owns 200 acres of land in the heart of the San Juan metropolitan area: the land can not be sold.

FIDEICOMISO DE LA TIERRA DEL CAÑO MARTÍN PEÑA



2004 Creation of the Fideicomiso through Act 489 of 2004 **2006-2008** Participatory Design of the Fideicomiso's Model **2009** First Board of Trustees, Land Transfers Begin







2009-2012 Government takes land from the Fideicomiso for individual ownership. Intense G-8 & allies fight.

2013 G-8 presents bill to recover lands. Bill is approved **2014 – present** Granting of surface rights begins, families relocated, new housing



Donde yo vivo, es de donde soy. Yo pertenezco a esta tierra, y esta tierra me pertenece a mí. Y por eso nos quedamos. Y queremos mejorarla, no queremos seguir viviendo así. Queremos mejorar nuestra calidad de vida, para nosotros mismos y para nuestra familia. Queremos aportar a Puerto Rico desde nuestras comunidades. Eso es lo que queremos.

Where I live is my birthplace. I belong to this land, and this land belongs to me. That is why we stay. We want to improve it; we don't want to continue living like this. We want to improve our quality of life, for our own sake and that of our family. We want to contribute to Puerto Rico. That is what we want.



Buena Vista Santurce







Mi Casa Resistente

2018 Community and participatory design initiative for the construction of replicable resilient housing models. The first two houses built have a rainwater harvesting system, composting toilets and emergency plant with solar energy. Design by Abruña & Musgrave Architects.

Partnership between CIAPR Foundation, CIAPR, G-8, ENLACE and Fideicomiso de la Tierra





























2/16/2023

Over 30 programs for socio economic development impacting over 1,500 residents annually of all ages



...Y POR PRIMERA VEZ LOS RESIDENTES FUIMOS ACTORES DE NUESTRO FUTURO."

Mario Núñez Mercado G-8 Co-Founder Executive Director Corporación del Proyecto ENLACE del Caño Martín Peña Fideicomiso de la Tierra del Caño Martín Peña

".. and, for the first time, we, the residents, became protagonists of our own future."



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